

CLAIMS

What is claimed is:

1. A video communication method, applicable to a IP phone, said IP phone through an external network and a communication terminal to transmit a communication to each other, and through a local area network and a video processing devices to transmit data to each other, said method comprises of at least the following steps:

retrieving a internet address of video processing device;

- according to said communication terminal's said communication, broadcasting said communication's voice signal, at the same time, also transmitting said communication's a video signal according to said internet address of said video processing device through said area network to said video processing device; and

processing said video signal using said video signal processing device, and playing said video signal on said video processing device.

2. The video communication method as described in claim 1, wherein prior to said step of retrieving said video processing device's internet address, it also comprises of receiving a video processing device's internet address.

3. The video communication method as described in claim 1, wherein prior to said step of retrieving said internet address of video processing device, it also comprises of receiving an initializing video signal to initialize said IP phone to receive said video signal transmitted using a video communication related protocol.

4. The video communication method as described in claim 1, wherein prior to the step of transmitting said communication's one video signal according to said internet address of

video processing device through said area network to said video processing device, it also comprises of determining the initialization of said video processing device via said area network.

5 5. The video communication method as described in claim 1, wherein after said step of displaying said video signal on said video processing device, it also comprises said video processing device receiving a transmitting back video signal, through said video processing device to process said transmitting back video signal, said transmitting back video signal is transmitted back via said area network to said IP phone, and said IP phone combines said transmitted back video signal and a receiving transmitting back signal to transmit to said
10 communication terminal.

6. The video communication method as described in claim 5, wherein in said step of through processing transmitting back video signal through said video processing device, also comprises of using a compression/decompression module of said video processing device to compress said transmitting back signal to transmit to said IP phone.

15 7. The video communication method as described in claim 1, wherein in said step of processing said video signal using said video processing device, also comprises of using a compression/decompression module of said video processing device to decompress said video signal to display said video signal on said video processing device.

20 8. The video communication method as described in claim 1, where in said step of said communication transmitting said video signal using said internet address of said video processing device to said video processing device, also comprises of transmitting through a wired area network to said video processing device.

9. The video communication method as described in claim 1, wherein said step of transmitting said video signal according to said internet address of said video processing

device's through area network to said video processing device, also comprises of one wireless area network transmitting to said video processing device.

10. A video signal transmitting system, comprises of an IP phone and a video processing device, said IP phone through a area network and connected to said video processing device, said IP phone at least comprises of:

5 a telephone control module, used to control communication with a communication terminal transmission, comprises of playing a voice signal of said communication, transmitting a video signal of said communication through an area network to said video processing device, and displaying on said video processing device, receiving a transmitting back voice signal, and combining a transmitting back video signal and a voice transmitting back voice signal to transmit to said communication terminal;

10 a internet address setting module, used to retrieve an internet address of a video processing device, and an internet address of communication terminal, from said telephone control module, and to store said internet address of said video processing device, and said internet address of said communication terminal in a storage module;

15 a network control module, used to control said IP phone and internet data transmission between said video processing device and said communication terminal, according to said internet address of said video processing device and said internet address of said communication terminal;

20 a video signal initialization module, used to receive a initialization signal of a video from said telephone control module, and to use said initialization signal of said video signal to initialize receiving said video signal transmitted by video transmission related protocol; and

a voice playing module, used to receive said voice signal from said control module and to play said voice signal after receiving said voice signal.

11. The video signal transmitting system as described in claim 10, wherein said communication terminal is a video IP phone.

5 12. The video signal transmitting system as described in claim 10, wherein said communication terminal is a mobile IP phone.

13. The video signal transmitting system as described in claim 10, wherein said communication terminal is an IP phone able to process video communication.

10 14. The video signal transmitting system as described in claim 10, wherein said area network is a wired area network.

15. The video signal transmitting system as described in claim 10, wherein said area network is a wireless area network.

16. The video signal transmitting system as described in claim 10, wherein said video processing device comprises of:

15 a control module, used to control transmitting said video signal with said IP phone, comprises of controlling compressing and depressing process of said video signal, and to display decompressed said video signal on said video processing device;

a display module, used to receive decompressed said video signal from said control module and to display said video signal; and

20 a compression/decompression module, used to decompress said video signal transmitted from said control module, and to compress video signal transmitted from said control module to produce said transmit back signals through said module and transmit to

said IP phone.

17. The video signal transmitting system as described in claim 16, wherein it also comprises of a video recording device, used to retrieve a video signal and transmit said video signal to said control module, through the process of said control module, said transmit back
5 video signal is generated to transmit back through said area network to said internet voice phone.

18. The video signal transmitting system as described in claim 16, wherein said video processing unit is a desktop computer with screen.

19. The video signal transmitting system as described in claim 16, wherein said
10 computer system is a notebook computer.

20. The video signal transmitting system as described in claim 16, wherein said computer system is a palm pilot.